

I'm Murali Kondragunta. This cover letter lists down qualities/skills/experiences I have that align with the job. As a ML Engineer with experience in Computer Vision & NLP, I have developed a skill set that I believe can contribute significantly to the growth of your team. With a passion for solving complex problems and keeping up-to-date with the latest industry trends, I am confident that I can add value to your organization.

### **Choose the Right Weapons for the Battle**

Not every problem requires a huge language model with millions of parameters. A simple linguistic rule can do. With ***my masters in Computational Linguistics (Natural Language Processing)***, I believe I can suggest more suitable solutions for the problems.

### **Machine Learning is a part of Software Engineering**

Clean code is paramount for reproducibility and long term maintenance. With my recent experience in AskUI startup, I write production ready code, which is modular, readable and non-redundant.

More often than not, I have seen Data Scientists write inefficient code which would slow down the entire pipeline. Need no worries, I write efficient code and will make sure to find the optimal solution. Here's a [blog](#) explaining how I brought down a runtime of 2.5 hours of ex-colleagues to 8 mins.

### **Scalability**

There's a trade-off between model size and accuracy. In order to balance this, there are techniques like Pruning, Quantization, etc to remove redundant pieces in the large models and make the inference faster. I have worked with model compression techniques and dockers before. I can wrap our solution in a container for inference or to scale up using any of the scalable solutions like Kubernetes, AzureBatch, etc.

### **Tools and being skillful**

In a fast paced field like Machine Learning, there is a need for the team to be up-skilled all the time. I use Twitter, LinkedIn and weekly feeds to be up-to-date with the latest advances in our field.

**Taking initiative and being a consultant** is crucial in any field, and I am no exception. In my recent company, AskUI, the framework had its syntax, which made it difficult for early adapters to adapt to the framework. Since it was internal and paid-only, there were no discussion forums, leaving them with the only option to browse through the docs. This is where I took initiative and built a natural language wrapper using GPT-3. With my initiative, users no longer had to worry about the framework's typescript, and the adoption rate increased.

Prompt

Go to [shopaskui.com](https://shopaskui.com). Wait for 1 second and then click on reject all button. Enter "bla" in username and password [textfields](#) and then click on login. Click on the save button next to the image which is next to button with text "OMG"

Model

text-davinci-003

Temperature

0.7

Max Tokens

512

Top P

1

Frequency Penalty

0

Presence Penalty

0

Clear

Submit

Response

```
it('Should login to shopaskui with wrong credentials; async () => {
  await aui.typeIn('https://shopaskui.com/').url().exec();
  await aui.waitFor(1000).exec();
  await aui.click().button().contains().text().withText('Reject All').exec();
  await aui.typeIn('bla',textfield().contains().text().withText('Username')).exec();
  await aui.typeIn('bla',textfield().contains().text().withText('Password')).exec();
  await aui.click().button().contains().text().withText('Login').exec();
  await aui.click().image().nextTo().button().contains().text().withText('OMG').exec();
  await aui.click().button().contains().text().withText('Save').exec();
});
```

Flag

## Swinging any way possible

During my first year, I worked with Microsoft on Computer Vision applications and with Novartis in second year for building NLP applications.

## Language Proficiency

If there is a language requirement (other than English, Spanish, Hindi, Telugu) for the role, I promise to get better by the time I start the job. I am already in the process of learning it. I will get better with time.

I am confident that my skills and experience make me a strong candidate for this position. I am excited about the prospect of contributing to your team's success and making a significant impact on the industry. Thank you for considering my application.

Thanks,  
Murali